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RAW SEQUENCE LISTING      DATE: 12/07/2000  
 PAIENT APPLICATION: US/09/496,224A      TIME: 12:25:12

Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\12072000\I496231A.raw

PS

```

4 <110> APPLICANT: Hubbell, Jeffrey A.
5      Elbert, Donald
6      Lutolf, Matthias
7      Pratt, Alison
8      Schoenmakers, Ronald
9      Tirelli, Nicola
10     Vernon, Brent
12 <120> TITLE OF INVENTION: BIOMATERIALS FORMED BY NUCLEOPHILIC
13     ADDITION REACTION TO CONJUGATED UNSATURATED GROUPS
16 <130> FILE REFERENCE: 50154/002002
18 <140> CURRENT APPLICATION NUMBER: 09/496,231A
19 <141> CURRENT FILING DATE: 2000-02-01
21 <150> PRIOR APPLICATION NUMBER: 60/118,093
22 <151> PRIOR FILING DATE: 1999-02-01
24 <160> NUMBER OF SEQ ID NOS: 74
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 10
30 <212> TYPE: PRT
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Based on Homo sapiens
36 <221> NAME/KEY: VARIANT
37 <222> LOCATION: (1)...(10)
38 <223> OTHER INFORMATION: Xaa=any amino acid except Cys
40 <400> SEQUENCE: 1
W--> 41 Tyr Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys Tyr
43      1              5              10
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 8
48 <212> TYPE: PRT
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Based on Homo sapiens
54 <221> NAME/KEY: VARIANT
55 <222> LOCATION: (1)...(8)
56 <223> OTHER INFORMATION: Xaa=any amino acid except Cys
58 <400> SEQUENCE: 2
W--> 59 Cys Xaa Xaa Xaa Xaa Xaa Xaa Cys
61      1              5
64 <210> SEQ ID NO: 3
65 <211> LENGTH: 6
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial Sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Based on Homo sapiens
72 <221> NAME/KEY: VARIANT

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73 <222> LOCATION: (1)...(6)
74 <223> OTHER INFORMATION: Xaa=any amino acid except Cys
76 <400> SEQUENCE: J
W--> 77 Xaa Xaa Xaa Xaa Xaa Xaa
      79 1 5
      82 <210> SEQ ID NO: 4
      83 <211> LENGTH: 13
      84 <212> TYPE: PRT
      85 <213> ORGANISM: Artificial Sequence
      87 <220> FEATURE:
      88 <223> OTHER INFORMATION: Based on Homo sapiens
      90 <221> NAME/KEY: VARIANT
      91 <222> LOCATION: (1)...(13)
      92 <223> OTHER INFORMATION: Xaa=any amino acid except Cys
      94 <400> SEQUENCE: 4
W--> 95 Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys
      97 1 5 10
      100 <210> SEQ ID NO: 5
      101 <211> LENGTH: 7
      102 <212> TYPE: PRT
      103 <213> ORGANISM: Artificial Sequence
      105 <220> FEATURE:
      106 <223> OTHER INFORMATION: Based on Homo sapiens
      108 <221> NAME/KEY: VARIANT
      109 <222> LOCATION: (1)...(7)
      110 <223> OTHER INFORMATION: Xaa=any amino acid except Cys
      112 <400> SEQUENCE: 5
W--> 113 Cys Xaa Xaa Xaa Xaa Xaa Cys
      115 1 5
      118 <210> SEQ ID NO: 6
      119 <211> LENGTH: 13
      120 <212> TYPE: PRT
      121 <213> ORGANISM: Artificial Sequence
      123 <220> FEATURE:
      124 <223> OTHER INFORMATION: Based on Homo sapiens
      126 <221> NAME/KEY: VARIANT
      127 <222> LOCATION: (2)...(6)
      128 <223> OTHER INFORMATION: Xaa=any amino acid except Cys or Tyr
      130 <221> NAME/KEY: VARIANT
      131 <222> LOCATION: (8)...(12)
      132 <223> OTHER INFORMATION: Xaa=any amino acid except Cys or Tyr
      134 <221> NAME/KEY: MOD_RES
      135 <222> LOCATION: 1
      136 <223> OTHER INFORMATION: Xaa=acetylated Tyrosine
      138 <400> SEQUENCE: 6
W--> 139 Xaa Xaa Xaa Xaa Xaa Xaa Tyr Xaa Xaa Xaa Xaa Tyr
      141 1 5 10
      144 <210> SEQ ID NO: 7
      145 <211> LENGTH: 5

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146 <212> TYPE: PRT
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Based on Homo sapiens
152 <221> NAME/KEY: VARIANT
153 <222> LOCATION: (1)...(5)
154 <223> OTHER INFORMATION: Xaa=any amino acid except Cys or Tyr
156 <400> SEQUENCE: 7
W--> 157 Xaa Xaa Xaa Xaa Xaa
159 1 5
162 <210> SEQ ID NO: 8
163 <211> LENGTH: 6
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Based on Homo sapiens
170 <400> SEQUENCE: 8
171 Gly Pro Arg Val Val Glu
173 1 5
176 <210> SEQ ID NO: 9
177 <211> LENGTH: 6
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Based on Homo sapiens
184 <400> SEQUENCE: 9
185 Asn Asn Arg Asp Asn Thr
187 1 5
190 <210> SEQ ID NO: 10
191 <211> LENGTH: 6
192 <212> TYPE: PRT
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Based on Homo sapiens
198 <400> SEQUENCE: 10
199 Tyr Asn Arg Val Ser Glu
201 1 5
204 <210> SEQ ID NO: 11
205 <211> LENGTH: 6
206 <212> TYPE: PRT
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Based on Homo sapiens
212 <400> SEQUENCE: 11
213 Gln Met Arg Met Glu Leu
215 1 5
218 <210> SEQ ID NO: 12
219 <211> LENGTH: 6
220 <212> TYPE: PRT

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Input Set : A:\Pto.amc  
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221 <213> ORGANISM: Artificial Sequence  
223 <220> FEATURE:  
224 <223> OTHER INFORMATION: Based on Homo sapiens  
226 <400> SEQUENCE: 12  
227 Gly Phe Arg His Arg His  
229 1                      5  
232 <210> SEQ ID NO: 13  
233 <211> LENGTH: 6  
234 <212> TYPE: PRT  
235 <213> ORGANISM: Artificial Sequence  
237 <220> FEATURE:  
238 <223> OTHER INFORMATION: Based on Homo sapiens  
240 <400> SEQUENCE: 13  
241 Gly Tyr Arg Ala Arg Pro  
243 1                      5  
246 <210> SEQ ID NO: 14  
247 <211> LENGTH: 6  
248 <212> TYPE: PRT  
249 <213> ORGANISM: Artificial Sequence  
251 <220> FEATURE:  
252 <223> OTHER INFORMATION: Based on Homo sapiens  
254 <400> SEQUENCE: 14  
255 Tyr Gln Lys Asn Asn Lys  
257 1                      5  
260 <210> SEQ ID NO: 15  
261 <211> LENGTH: 6  
262 <212> TYPE: PRT  
263 <213> ORGANISM: Artificial Sequence  
265 <220> FEATURE:  
266 <223> OTHER INFORMATION: Based on Homo sapiens  
268 <400> SEQUENCE: 15  
269 Leu Ile Lys Met Lys Pro  
271 1                      5  
274 <210> SEQ ID NO: 16  
275 <211> LENGTH: 6  
276 <212> TYPE: PRT  
277 <213> ORGANISM: Artificial Sequence  
279 <220> FEATURE:  
280 <223> OTHER INFORMATION: Based on Homo sapiens  
282 <400> SEQUENCE: 16  
283 Asn Phe Lys Ser Gln Leu  
285 1                      5  
288 <210> SEQ ID NO: 17  
289 <211> LENGTH: 6  
290 <212> TYPE: PRT  
291 <213> ORGANISM: Artificial Sequence  
293 <220> FEATURE:  
294 <223> OTHER INFORMATION: Based on Homo sapiens  
296 <400> SEQUENCE: 17

RAW SEQUENCE LISTING                      DATE: 12/07/2000  
 PATENT APPLICATION: US/09/496,231A        TIME: 12:25:12

Input Set : A:\Pto.amc  
 Output Set: N:\CRF3\12072000\I496231A.raw

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297 Glu Trp Lys Ala Leu Thr
299 1 5
302 <210> SEQ ID NO: 18
303 <211> LENGTH: 6
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Based on Homo sapiens
310 <400> SEQUENCE: 18
311 Ser Tyr Lys Met Ala Asp
313 1 5
316 <210> SEQ ID NO: 19
317 <211> LENGTH: 6
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Based on Homo sapiens
324 <400> SEQUENCE: 19
325 Thr Gln Lys Lys Val Glu
327 1 5
330 <210> SEQ ID NO: 20
331 <211> LENGTH: 6
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Based on Homo sapiens
338 <400> SEQUENCE: 20
339 Arg Gln Lys Gln Val Lys
341 1 5
344 <210> SEQ ID NO: 21
345 <211> LENGTH: 6
346 <212> TYPE: PRT
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Based on Homo sapiens
352 <400> SEQUENCE: 21
353 Gln Val Lys Asp Asn Glu
355 1 5
358 <210> SEQ ID NO: 22
359 <211> LENGTH: 6
360 <212> TYPE: PRT
361 <213> ORGANISM: Artificial Sequence
363 <220> FEATURE:
364 <223> OTHER INFORMATION: Based on Homo sapiens
366 <400> SEQUENCE: 22
367 Leu Ile Lys Ala Ile Gln
369 1 5
372 <210> SEQ ID NO: 23
373 <211> LENGTH: 6

```

*FYI:*

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY                      DATE: 12/07/2000  
PATENT APPLICATION: US/09/496,231A        TIME: 12:25:13

Input Set : A:\Pto.amc  
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L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50  
L:808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55  
L:903 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62  
L:1065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71  
L:1084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72